CLAIM AMENDMENTS

DO NOT ENTER DV

1-6. (canceled)

7. (currently amended): A method to obtain a database of signal transduction protein localization profiles in response to toxic compounds, which method comprises

recording the intracellular localization pattern of ~~at least one~~ a multiplicity of signal transduction ~~protein~~ proteins in a cell type,

providing a set of toxic compounds,

contacting each compound of said set of toxic compounds with said cell type,

recording the intracellular localization pattern of ~~at least one~~ a multiplicity of said signal transduction proteins in said cell type in the presence of each compound in said set of toxic compounds, ~~optionally as a function of time,~~

wherein each intracellular localization pattern is constructed by concurrently determining the presence, absence or amount of said signal transduction protein in at least three cellular locations selected from the group consisting of nuclear, perinuclear, diffuse cytoplasmic, cytoplasmic fibril-associated, and membrane-associated locations;

wherein each intracellular localization pattern is recorded in computer-readable and retrievable form.

8. (previously presented): The method of claim 7 wherein at least one of said signal transduction proteins is a protein kinase C (PKC) isoenzyme.

9-10. (canceled)

11. (previously presented): The method of claim 7 wherein each of said intracellular localization patterns is observed using a wide-field microscope.

12. (previously presented): The method of claim 7 wherein each of said intracellular localization patterns is observed by labeling the proteins with specific antibodies.

13. (original): A computer-readable database prepared by the method of claim 7.